MOOG VIDEOLARM

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ACH13HB8N

Aluminum Outdoor Environmental Camera Housings

www.moogvideolarm.com

Installation and Operation Instructions for the following models:

ACH13HB8N	Outdoor environmental housing for PoE plug enabled IP fixed cameras, wall/pole mount, dynamic (intelligent) power allocation heater/blower system, 30W midspan (100-240Vac input 50/60Hz)
ACH13HB8NE	Outdoor environmental housing for PoE plug enabled IP fixed cameras, wall/pole mount, dynamic (intelligent) power allocation heater/blower system

Before attempting to connect or operate this product, please read these instructions completely.

81-IN5455
06-26-2012

IMPORTANT SAFEGUARDS

1 Read these instructions.

2 Keep these instructions.

3 Heed all warnings

4 Follow all instructions.

5 Do not use this apparatus near water.

6 Clean only with damp cloth.

7 Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.

8 Cable Runs- All cable runs must be within permissible distance.

9 Mounting - This unit must be properly and securely mounted to a supporting structure capable of sustaining the weight of the unit.

Accordingly:

a. This installation should be made by a qualified service person and should conform to all local codes.

b. Care should be exercised to select suitable hardware to install the unit, taking into account both the composition of the mounting surface and the weight of the unit.

10 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

11 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

12 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

13 Only use attachment/ accessories specified by the manufacturer.

14 Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.

15 Unplug this apparatus during lighting storms or when unused for long periods of time.

16 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled of objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Be sure to periodically examine the unit and the supporting structure to make sure that the integrity of the installation is intact. Failure to comply with the foregoing could result in the unit separating from the support structure and falling, with resultant damages or injury to anyone or anything struck by the falling unit.

UNPACKING

Unpack carefully. Electronic components can be damaged if improperly handled or dropped. If an item appears to have been damaged in shipment, replace it properly in its carton and notify the shipper.

Be sure to save:

1 The shipping carton and packaging material. They are the safest material in which to make future shipments of the equipment.

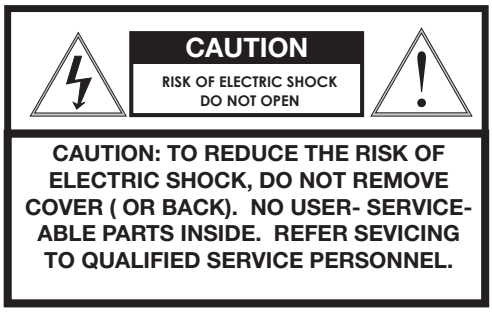
2 These Installation and Operating Instructions.

SERVICE

If technical support or service is needed, contact us at the following number:

TECHNICAL SUPPORT
AVAILABLE 24 HOURS
1 - 800 - 554 -1124

SAFETY PRECAUTIONS


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER- SERVICE-ABLE PARTS INSIDE. REFER SEVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with an arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of non-insulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk to persons.

Este símbolo se piensa para alertar al usuario a la presencia del “voltaje peligroso no-aislado” dentro del recinto de los productos que puede ser un riesgo de choque eléctrico.

Ce symbole est prévu pour alerter l’utilisateur à la presence “de la tension dangereuse” non-isolée dans la clôture de produits qui peut être un risque de choc électrique.

Dieses Symbol soll den Benutzer zum Vorhandensein der nicht-Isolier “Gefährdungsspannung” innerhalb der Produkteinschließung alarmieren die eine Gefahr des elektrischen Schlages sein kann.

Este símbolo é pretendido alertar o usuário à presença “di tensão perigosa non-isolada” dentro do cerco dos produtos que pode ser um risco de choque elétrico.

Questo simbolo è inteso per avvertire l’utente alla presenza “di tensione pericolosa” non-isolata all’interno della recinzione dei prodotti che può essere un rischio di scossa elettrica.

The exclamation point within an equilateral triangle is intended to alert the user to presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Este símbolo del punto del exclamation se piensa para alertar al usuario a la presencia de instrucciones importantes en la literatura que acompaña la aplicación.

Ce symbole de point d’exclamation est prévu pour alerter l’utilisateur à la presence des instructions importantes dans la littérature accompagnant l’appareil.

Dieses Ausruf Punktsymbol soll den Benutzer zum Vorhandensein de wichtigen Anweisungen in der Literatur alarmieren, die das Gerät begleitet.

Este símbolo do ponto do exclamation é pretendido alertar o usuário à presença de instruções importantes na literatura que acompanha o dispositivo.

Questo simbolo del punto del exclamaton è inteso per avvertire l’utente alla presenza delle istruzioni importanti nella letteratura che accompagna l'apparecchio.

USA PRIDE

Limited Warranty for Moog Videolarm Products

Moog Videolarm warrants these products to be free from defects in material or workmanship as follows:

PRODUCT CATEGORY	PARTS \ LABOR
All Enclosures and Electronics*	Five (5) Years
Poles/PolEvators™/CamEvator	Three (3) Years
Warrior Series™/Q-View™/IR Illuminators	Five (5) Years
SView Series™	Five (5) Years **6 months if used in auto scan/tour operation
Controllers	Five (5) Years
Power Supplies	Five (5) Years
EcoKit	Three (3) Years
Accessory Brackets	Five (5) Years
Liberty Dome	Three (3) Years
*DeputyDome™, NiteTrac™, Igloo Dome, PurgeDome™	Three (3) Years **6 months if used in auto scan/tour operation

During the labor warranty period, to repair the Product, Purchaser will either return the defective product, freight prepaid, or deliver it to Moog Videolarm Inc. Decatur GA. The Product to be repaired is to be returned in either its original carton or a similar package affording an equal degree of protection with a RMA # (Return Materials Authorization number) displayed on the outer box or packing slip. To obtain a RMA# you must contact our Technical Support Team at 800.554.1124, extension 101. Moog Videolarm will return the repaired Product freight prepaid to Purchaser. Moog Videolarm is not obligated to provide Purchaser with a substitute unit during the warranty period or at any time. After the applicable warranty period, Purchaser must pay all labor and/or parts charges.

The limited warranty stated in these product instructions is subject to all of the following terms and conditions.

TERMS AND CONDITIONS

1. NOTIFICATION OF CLAIMS: WARRANTY SERVICE: If Purchaser believes that the Product is defective in material or workmanship, then written notice with an explanation of the claim shall be given promptly by Purchaser to Moog Videolarm. All claims for warranty service must be made within the warranty period. If after investigation Moog Videolarm determines the reported problem was not covered by the warranty, Purchaser shall pay Moog Videolarm for the cost of investigating the problem at its then prevailing per incident billable rate. No repair or replacement of any Product or part thereof shall extend the warranty period of the entire Product. The specific warranty on the repaired part only shall be in effect for a period of ninety (90) days following the repair or replacement of that part or the remaining period of the Product parts warranty, whichever is greater.

2. EXCLUSIVE REMEDY: ACCEPTANCE: Purchaser's exclusive remedy and Moog Videolarm's sole obligation is to supply (or pay for) all labor necessary to repair any Product found to be defective within the warranty period and to supply, at no extra charge, new or rebuilt replacements for defective parts.

3. EXCEPTIONS TO LIMITED WARRANTY: Moog Videolarm shall have no liability or obligation to Purchaser with respect to any Product requiring service during the warranty period which is subjected to any of the following: abuse, improper use, negligence, accident, lightning damage or other acts of God (i.e., hurricanes, earthquakes), modification, failure of the end-user to follow the directions outlined in the product instructions, failure of the end-user to follow the maintenance procedures recommended by the International Security Industry Organization, written in product instructions, or recommended in the service manual for the Product. Furthermore, Moog Videolarm shall have no liability where a schedule is specified for regular replacement or maintenance or cleaning of certain parts (based on usage) and the end-user has failed to follow such schedule; attempted repair by non-qualified personnel; operation of the Product outside of the published environmental and electrical parameters, or if such Product's original identification (trademark, serial number) markings have been defaced, altered, or removed. Moog Videolarm excludes from warranty coverage Products sold AS IS and/or WITH ALL FAULTS and excludes used Products which have not been sold by Moog Videolarm to the Purchaser. All software and accompanying documentation furnished with, or as part of the Product is furnished "AS IS" (i.e., without any warranty of any kind), except where expressly provided otherwise in any documentation or license agreement furnished with the Product. Any cost associated with removal of defective product and installation of replacement product is not included in this warranty.

4. PROOF OF PURCHASE: The Purchaser's dated bill of sale must be retained as evidence of the date of purchase and to establish warranty eligibility.

DISCLAIMER OF WARRANTY

EXCEPT FOR THE FOREGOING WARRANTIES, Moog Videolarm HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO ANY AND/OR ALL IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND/OR ANY WARRANTY WITH REGARD TO ANY CLAIM OF INFRINGEMENT THAT MAY BE PROVIDED IN SECTION 2-312(3) OF THE UNIFORM COMMERCIAL CODE AND/OR IN ANY OTHER COMPARABLE STATE STATUTE. Moog Videolarm HEREBY DISCLAIMS ANY REPRESENTATIONS OR WARRANTY THAT THE PRODUCT IS COMPATIBLE WITH ANY COMBINATION OF NON-Moog Videolarm PRODUCTS OR NON-Moog Videolarm RECOMMENDED PRODUCTS PURCHASER MAY CHOOSE TO CONNECT TO THE PRODUCT.

LIMITATION OF LIABILITY

THE LIABILITY OF Moog Videolarm, IF ANY, AND PURCHASER'S SOLE AND EXCLUSIVE REMEDY FOR DAMAGES FOR ANY CLAIM OF ANY KIND WHATSOEVER, REGARDLESS OF THE LEGAL THEORY AND WHETHER ARISING IN TORT OR CONTRACT, SHALL NOT BE GREATER THAN THE ACTUAL PURCHASE PRICE OF THE PRODUCT WITH RESPECT TO WHICH SUCH CLAIM IS MADE. IN NO EVENT SHALL Moog Videolarm BE LIABLE TO PURCHASER FOR ANY SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, COMPENSATION, REIMBURSEMENT OR DAMAGES ON ACCOUNT OF THE LOSS OF PRESENT OR PROSPECTIVE PROFITS OR FOR ANY OTHER REASON WHATSOEVER.

Electrical Specifications

Midspan **ACH13HB8N**

English

Input Power: 100 to 240VAC
Power: .8A
Frequency: 50 to 60 HZ
Output
Camera: POE (55VDC)
Heater: 55VDC (max. 20W)

Español

Energía de entrada: 100 a 240VAC:
Energía: .8A
Frecuencia: 50 a 60 hertzios
Salida:
Cámara: POE (55VDC)
Calentador: 55VDC (máximo 20W)

Français

Puissance d'entrée : 100 à 240VAC
Puissance: .8A
Fréquence: 50 à 60 hertz
Rendement
Appareil-photo : POE (55VDC)
Réchauffeur : 55VDC (maximum 20W)

Deutsch

Zugeführte Energie: 100 zu 240VAC
Energie: .8A
Frequenz: 50 bis 60 Hz
Ausgang
Kamera: POE (55VDC)
Heizung: 55VDC (Maximum 20W)

Portuguese

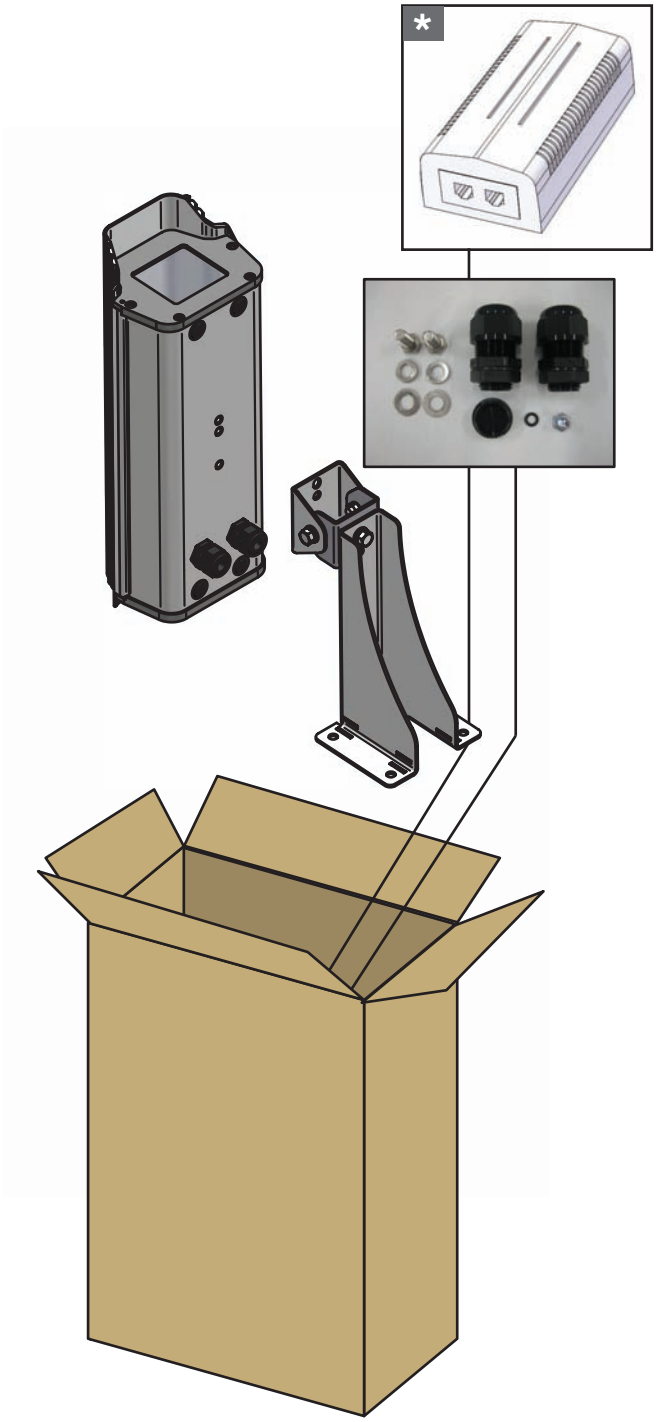
Poder de entrada: 100 a 240VAC
Poder: .8A
Freqüência: 50 a 60 hertz
Saída
Câmera: Ponto de entrada (55VDC)
Calefator: 55VDC (máximo 20W)

Italiano

Alimentazione in ingresso di entrata: 100 a 240VAC
Potere: .8A
Frequenza: 50 - 60 hertz
Uscita
Macchina fotografica: POE (55VDC)
Riscaldatore: 55VDC (massimo 20W)

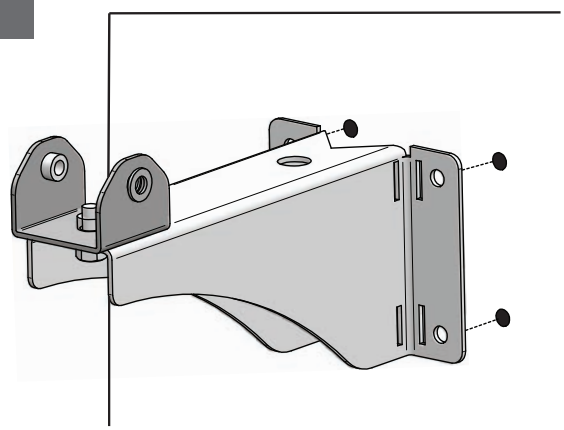
Unpacking the Product

ACH13HB8N



* ACH13HB8N model only

1



Attach the bracket to the wall and secure appropriately.

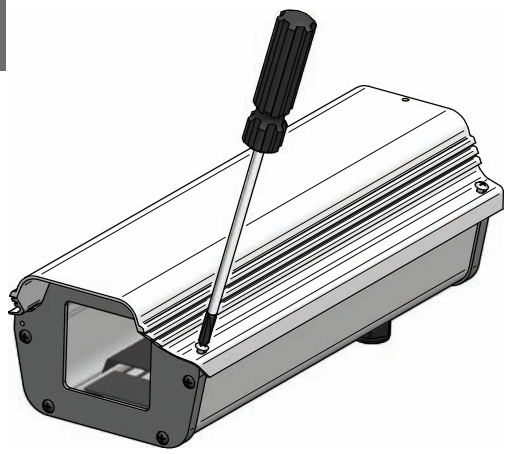
- Una el soporte a la pared y asegúrelo apropiadamente.
- Attachez la parenthèse au mur et la fixez convenablement.
- Bringen Sie den Haltewinkel zur Wand an und sichern Sie passend.
- Una o suporte à parede e fixe-o apropriadamente.
- Fissi la staffa alla parete e fissi giustamente.

2

Connect housing to wall bracket.

- Conecte la cubierta con el soporte de pared.
- Reliez le logement à la parenthèse de mur.
- Schließen Sie Gehäuse an Wandhaltewinkel an .
- Conecte a carcaça ao suporte de parede.
- Colleghi l'alloggiamento al supporto a mensola

3



Remove the (2) screws on top of the housing and lift it open.

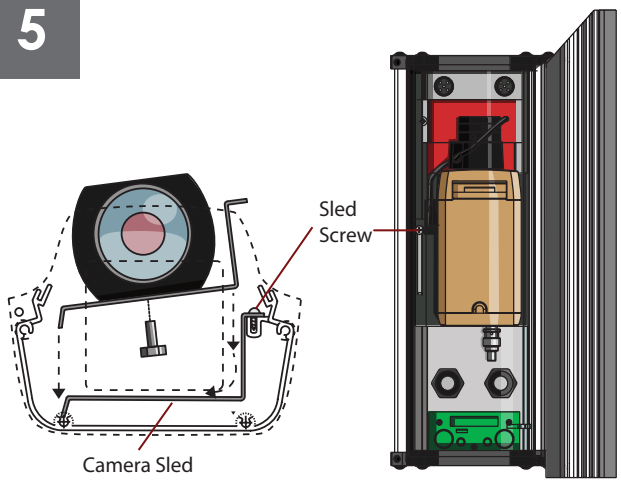
- Quite (2) los tornillos encima de la cubierta y levántelos abiertos.
- Enlevez (2) les vis sur le logement et soulevez-les ouvertes.
- Entfernen Sie die (2) Schrauben auf das Gehäuse und heben Sie sie geöffnet an.
- Remova (2) os parafusos no alto da carcaça e levante-os abertos.
- Rimuova (2) le viti in cima all'alloggiamento ed alzile aperte.

4

Install the (2) cable strain relief plugs on the bottom of the housing and tighten with the locknuts.

- Instale (2) los enchufes del retenedor de cable del cable en el fondo de la cubierta y apriete con las tuercas de fijación.
- Installez (2) les prises de passe-fils de câble sur le fond du logement et serrez avec les contre-écrous.
- Bringen Sie die (2) Kabelgummidurchführungsringstecker auf die Unterseite des Gehäuses an und ziehen Sie mit den Kontermuttern fest.
- Instale (2) os plugues do protetor da fiação do cabo no fundo da carcaça e aperte-os com as contraporcas.
- Installi (2) le spine di gommino di protezione del cavo sulla parte inferiore dell'alloggiamento e stringa con i contro dadi.

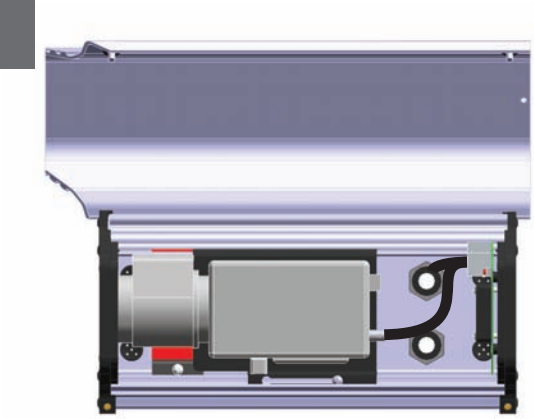
5



Place camera on sled and align mounting holes on each. Adjust camera parallel to sled and tighten the bolt on the bottom.

- Coloque la cámara fotográfica en el trineo y alinee los agujeros de montaje en cada uno. Ajuste la cámara fotográfica paralela al trineo y apriete el perno en el fondo.
- Placez l'appareil-photo sur le traîneau et alignez les trous de support sur chacun. Ajustez l'appareil-photo parallèle au traîneau et serrez le boulon sur le fond.
- Setzen Sie Kamera auf Schlitten und richten Sie Entlüftungslöcher auf jedem aus. Justieren Sie die Kamera, die zum Schlitten parallel ist und ziehen Sie den Schraubbolzen auf der Unterseite fest.
- Coloque a câmera no trenó e alinhe furos de montagem em cada um. Ajuste a câmera paralela ao trenó e aperte o parafuso no fundo.
- Disponga la macchina fotografica sulla slitta ed allinei i fori di montaggio su ciascuno. Registri la macchina fotografica parallela alla slitta e stringa il bullone sulla parte inferiore.

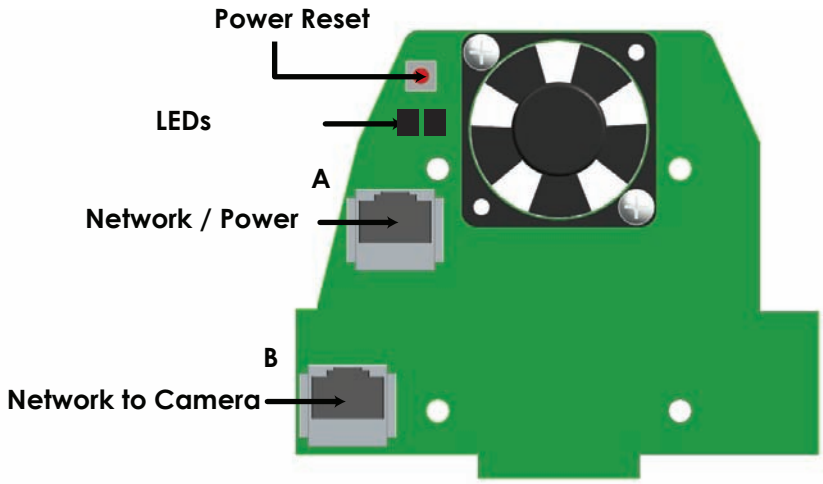
6



Plug in RJ45 input and output cables.

- Enchufe los cables de entrada RJ45 y de la salida.
- Branchez les câbles de l'entrée RJ45 et du rendement.
- Schließen Sie Kabel des Einganges RJ45 und des Ausganges an.
- Obstrua dentro cabos da entrada RJ45 e da saída.
- Inserisca i cavi dell'input RJ45 e dell'uscita

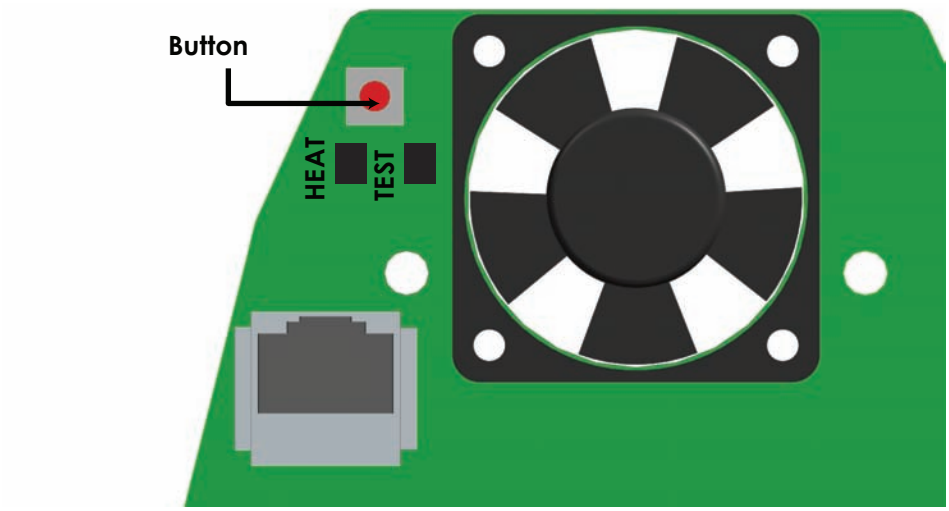
7



Cable to camera (B), Network / Power (A). Unit is ready to power up.

- Cablegrafíe a la cámara (b), red hacia / fuera (a). La unidad está lista para accionar para arriba.
- Câblez à l'appareil-photo (b), le réseau / dehors (a). L'unité est prête à mettre sous tension.
- Kabeln Sie zu Kamera (b), Netz / heraus (a). Maßeinheit ist bereit, oben anzutreiben.
- Cabografe à câmera (b), rede / para fora (a). A unidade está pronta para pôr acima.
- Cavo alla macchina fotografica (B), rete / fuori (A). L'unità è pronta ad alimentare in su.

8



Press the Calibration button for one second. Both the Test and Heat LED will turn ON. Once the unit has been successfully calibrated, the Test and Heat LED will turn OFF. Once this is complete the Heat LED will turn ON only if the heater is ON.

- Pulse el botón de calibración durante un segundo. Tanto la prueba y el calor se encenderá. Una vez que la unidad ha sido calibrado correctamente, la prueba y el calor del LED se apagará. Una vez que se trata de completar el calor se encenderá sólo si el calentador está encendido.
- Appuyez sur le bouton d'étalonnage pour une seconde. Tant le test et la chaleur LED s'allume. Une fois l'appareil a été étalonné avec succès, le test et la chaleur LED s'éteindra. Une fois cette opération terminée, la chaleur LED s'allume que si le chauffage est allumé.
- Drücken Sie die Taste Kalibrierung für eine Sekunde. Sowohl der Test-und Wärme-LED leuchtet auf. Sobald das Gerät erfolgreich kalibriert wurde, wird die Test-und Wärme-LED auszuschalten. Sobald dies abgeschlossen ist die Wärme-LED leuchtet auf, wenn die Heizung an ist.
- Pressione o botão de calibração para um segundo. Tanto o teste como calor LED acenderá. Uma vez que o aparelho foi calibrado com sucesso, o teste e calor LED apaga-se. Uma vez que este é completar o calor LED acenderá se o aquecedor está ligado.
- Premere il pulsante di calibrazione per un secondo. Sia il test e di calore LED si accende. Una volta che l'unità è stata correttamente calibrata, il collaudo e calore LED si spegne. Una volta che questo è completare il calore LED si accende solo se il riscaldatore è ON.

9 ⚠ WARNING!

- The heater and blower will not start for 60 seconds after power is applied to the product.
- Wait for the camera to completely boot up before pressing the calibration button. This will allow for the most accurate calibration.

- El calentador y el ventilador no se iniciará durante 60 segundos después de la energía se aplica al producto.
- Espere a que la cámara para arrancar completamente antes de pulsar el botón de calibración. Esto permitirá la calibración más precisa.

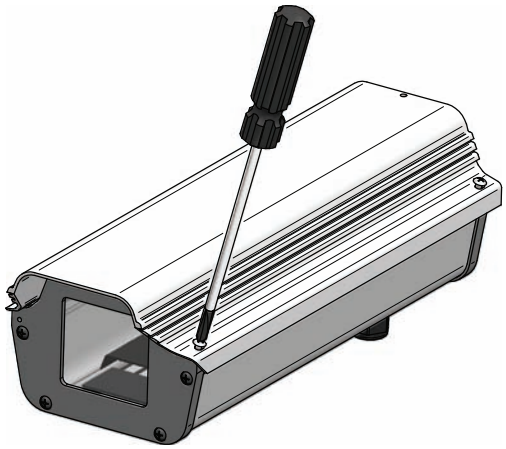
- Le chauffage et de ventilation ne démarre pas pendant 60 secondes après mise sous tension est appliquée au produit.
- Attendez que l'appareil photo à démarrer complètement avant appuyant sur le bouton d'étalonnage. Cela permettra pour le calibrage le plus précis.

- Die Heizung und das Gebläse wird nicht für 60 Sekunden nach dem Einschalten starten, um das Produkt angewendet wird.
- Warten Sie, bis sich die Kamera komplett hochfahren, bevor Sie die Kalibrierung Taste. Dies wird für die genaue Kalibrierung ermöglichen.

- Aquecedor e soprador A não será iniciado durante 60 segundos após a energia é aplicada ao produto.
- Aguarde até que a câmera completamente arrancar antes de premir o botão de calibração. Isto irá permitir a calibração mais precisas.

- Il riscaldamento e soffiante non inizierà per 60 secondi dopo l'alimentazione è applicata al prodotto.
- Attendere che la macchina fotografica per avviare completamente a prima di premere il pulsante di calibrazione. Questo permetterà la taratura più accurata.

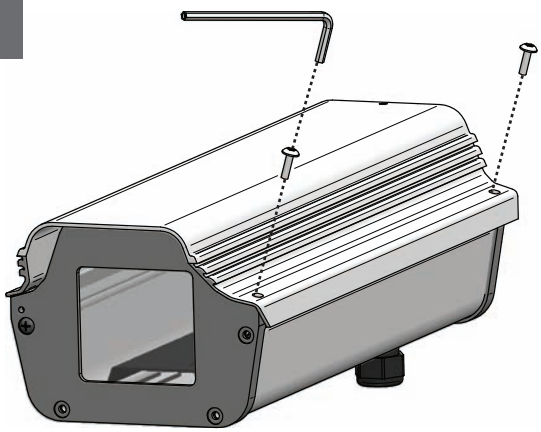
10



Close the top cover and tighten to the base with the hex screws.

- Cierre la cubierta superior y apriete a la base con los tornillos de la tuerca hexagonal.
- Fermez la couverture supérieure et serrez à la base avec les vis de sortilège.
- Schließen Sie die obere Abdeckung und ziehen Sie zur Unterseite mit den Hexagonschrauben fest.
- Feche a tampa superior e aperte-a à base com os parafusos do hex.
- Chiuda la copertura superiore e stringa alla base con le viti del hex.

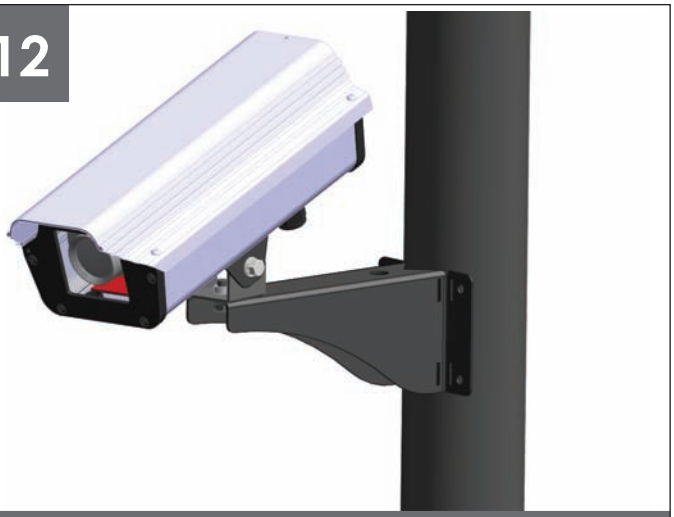
11



If desired, use security screws in place of hex screws.

- Si está deseado, utilice los tornillos de la seguridad en lugar de los tornillos de la tuerca hexagonal.
- Si désiré, utilisez les vis de sécurité au lieu des vis de sortilège.
- Wenn Sie gewünscht werden, benutzen Sie die Sicherheit Schrauben anstatt der Hexagonschrauben.
- Se desejado, use os parafusos da segurança no lugar dos parafusos do hex.
- Se voluto, utilizzi le viti di sicurezza al posto delle viti del hex.

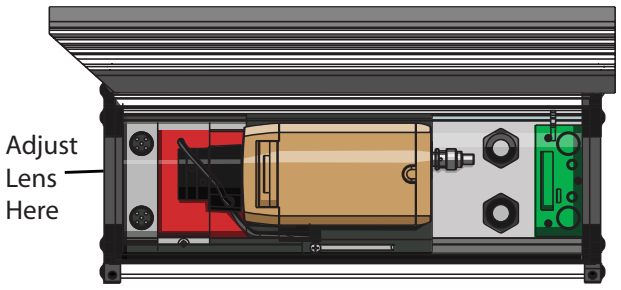
12



If mounting to pole, attach assembly using 3/4" mounting straps (not provided).

- Si monta al poste, una a asamblea usando las correas que montan del 3/4"(no proporcionadas).
- Si montant au poteau, attachez l'assemblée en utilisant les courroies de montage de 3/4"(non fournies).
- Bei der Befestigung zum Pfosten, bringen Sie Versammlung mit 3/4"den Befestigungsbügeln an (nicht bereitgestellt).
- Se montando ao pólo, una o conjunto usando as cintas de montagem de 3/4"(não fornecidas).
- Se montando al palo, fissi il complessivo usando le cinghie di montaggio di 3/4"(non fornite).

13

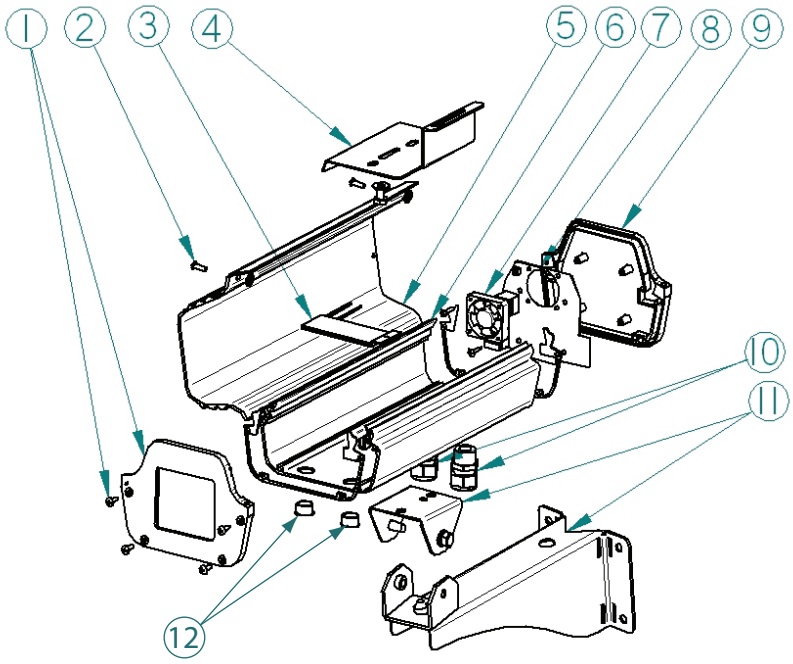


Adjust the focus and focal length until the desired field of view and focus is obtained.

- Ajuste el foco y la longitud focal hasta que el campo visual deseado y el foco se obtiene.
- Ajustez le foyer et la longueur focale jusqu'à ce que le champ visuel désiré et le foyer soit obtenu.
- Justieren Sie den Fokus und die fokale Länge, bis gewünscht von der Ansicht auffangen und Fokus erhalten wird.
- Ajuste o foco e o comprimento focal até que o campo de vista desejado e de foco esteja obtido.
- Registri il fuoco e la lunghezza focale fino ad ottenere il campo voluto di visibilità ed il fuoco.

Replacement Parts List

ACH13HB8N



#	Part Number	Description
1	RPACH010	ACH13 Front Endcap Assembly
2	RPACH020	ACH13 Lid Screws
3	RPHACH8N	Heater for POE housing
4	RPACH050	12V Heater & Thermostat Kit For ACH13
5	RPACH060	ACH13 Top Extrusion
6	RPACH070	ACH13 Bottom Extrusion
7	RPBACH8N	Blower for POE housing
8	RPPCBPOE	PC board for POE housing
9	RPACH110	ACH13 Rear Endcap Assembly
10	RPACHPK	Packet Assembly
11	WM800	Medium Duty Wall Mount Bracket For ACH13
12	ACH130	ACH13 Vent Hole Plugs

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